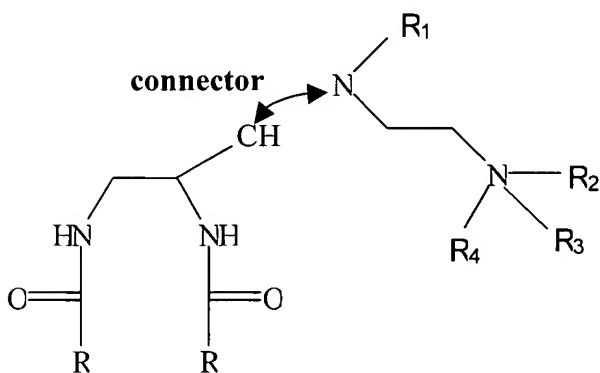


-CH₂-N(CH₃)₂], 2.22-2.10 [m, 10H, -CO- CH₂ -and -N(CH₃)₂], 2.00-1.90 [m, 8H, -CH₂-CH=CH- CH₂-], 1.62-1.50 [m, 4H, -CO-CH₂-CH₂-], 1.35-1.10 [coherent, 40H, -(CH₂)₁₀-], 0.85-0.70 [m, 6H, -CH₃].

Claims

1. Cationic lipids of the general formula S for nucleic acid delivery *in vitro* and *in vivo*.



Structure S of cationic lipids for claim 1.

R = C₁₁H₂₃, C₁₃H₂₇, C₁₅H₃₁, C₁₇H₃₅, C₁₇H₃₁

R₁= H, CH₃, CH₂CH₂NH₂, CH₂CH₂NHCH₃, CH₂CH₂N(CH₃)₂, CH₂CH₂NH-C(NH₂)=NH

R₂= H, CH₃

R₃= H, CH₃

R₄= H, CH₃